SPURS: Spanish MIDAS project

R/V Sarmiento de Gamboa cruise

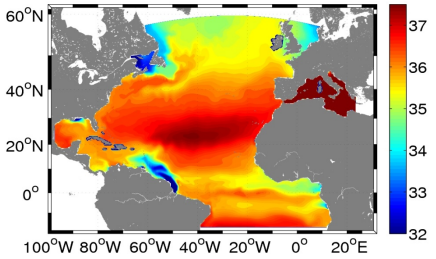
- Overall length: 70.5 m
- Endurance: 40 days
- Maximum speed: 15 knots
- Crew 16 / Scientists 26
- 8000m depth deployment

Design and construction of surface salinity drifters

- SVP WOCE standard, SBE37 or inductive conductivity, - 50 cm
- 20 deployed 2011 (Atlantic, Pacific, Indian)
- 4 for STRASSE-SPURS 2012, 10 for MIDAS-SPURS 2013

Modeling component

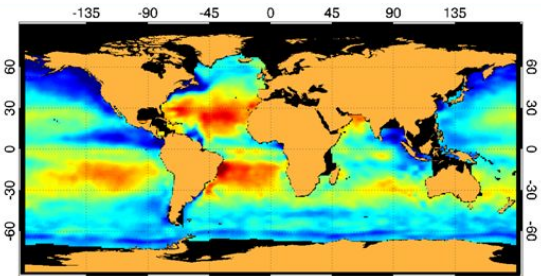
- PI: J. Ballabrera (UTM-CSIC)
- Study of salinity processes
- SMOS data assimilation



- New regional configuration of NEMO-OPA (75 levels, 1/16º)

SMOS level 3 and level 4 salinity maps

- smos-bec@icm.csic.es, see poster



2013 cruise MIDAS-SPURS

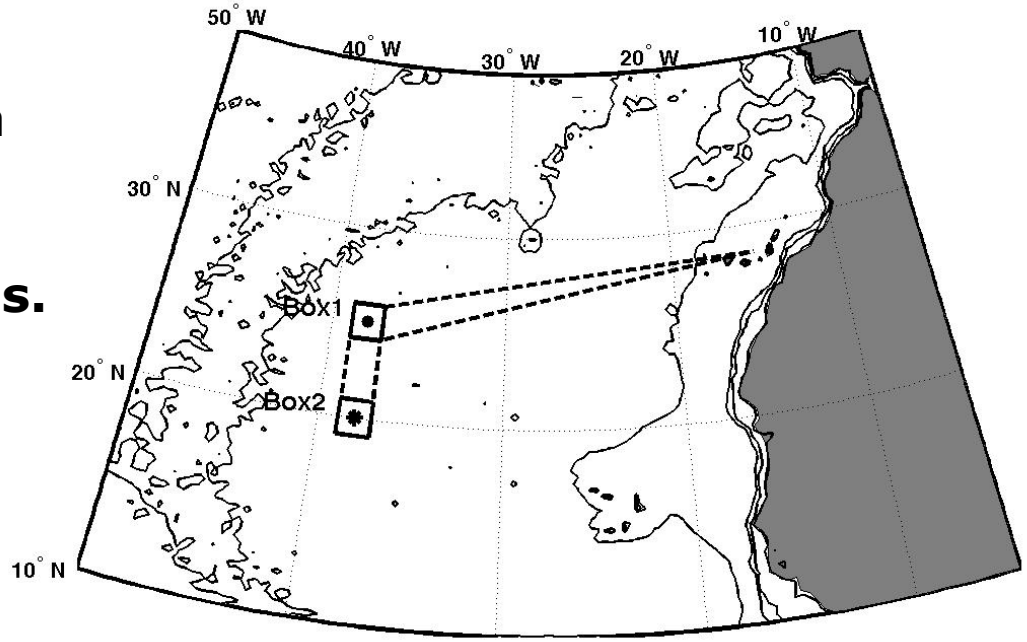
32-day cruise March 2013

R/V Sarmiento de Gamboa

PI: Jordi Font (ICM-CSIC)

Port: Las Palmas, Canary Is.
5 days transit to site

Sampling region: two 200 km boxes around 20N 38W, 25N 38W



Initial objectives:

Expected to be the 1st SPURS cruise in March 2012
- **CTD, ADCP, SeaSoar, surface underway general survey**
- **Instruments deployment (mooring, gliders, Argo floats, surface salinity drifters)**
- **Microstructure and small-scale features characterization (ASIP profiler)**

Expected participation:
CSIC, WHOI, U. Washington, U. Galway, LOCEAN